## I claim:

- 1. A toothing assembly comprising toothing means having two toothed rack means and a gear defining an axis and arranged to roll along said stationary toothing means and to pass, during its rolling motion, from one of said toothed rack means to the other one, wherein a change-over toothing means is provided between said toothed rack means, said change-over toothing means extending non-smoothly with respect to said toothed rack means to generate a trajectory of the axis of said rolling gear relative to said toothing means, said trajectory having a discontinuity of its tangent in a salient point.
- 2. A toothing assembly as claimed in claim 1, wherein a relief is provided between said two toothed rack means to prevent simultaneous contact of said gear with said two toothed rack means.
  - 3. A toothing assembly as claimed in claim 2, wherein said change-over toothing means is a toothed arc convex towards said gear.
  - 4. A toothing assembly as claimed in claim 3, wherein
  - said gear defines a notional reference circle an said two toothed rack means
    define notional reference curves, said notional reference circle having
    common tangents with each of said reference curves of said two toothed rack
    means, when said axis defined by said gear is in said salient point of said
    trajectory, and
- said convex toothed arc defines a further reference circle, said further reference circle having a tangent in common with the reference circle of said gear.

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- 5. A toothing assembly as claimed in claim 2, wherein said change-over toothing means is a linear toothed rack.
- 6. A toothing assembly as claimed in claim 2, wherein said change-over toothing means consists of one single tooth.
  - 7. A toothing assembly as claimed in claim 1, wherein said gear, when engaging said change-over toothing means is arranged to leave the engagement with one of said toothed rack means immediately before it engages the other one of said toothed rack means.
  - 8. A toothing assembly as claimed in claim 1, wherein said reference curves of said two toothed rack means are concave-arcuate.

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